

SEQUENCE LISTING

<110> ZOOROB, RIMA
AUFFRAY, CHARLES
CHAUSSE, ANNE-MARIE

<120> REAGENTS AND METHODS FOR DETECTING GENES RELATED TO
MAJOR HISTOCOMPATIBILITY COMPLEX OF DOMESTIC FOWL, SUCH
AS CHICKEN

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<140> 09/554,911

<141> 2000-07-24

<150> PCT/FR98/02501

<151> 1998-11-23

<150> FR 97/14669

<151> 1997-11-21

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<170> PatentIn Ver. 2.1

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Ala Arg Glu Asp Lys Leu Ala Ala Ile Leu Pro Met Val Leu Leu Gly
      20              25              30

ctc agc ag  gtactggcat aggggggacg cgggtgcgggc aggggggcagc      144
Leu Ser Ser
      35

gcggggacccc ctgacacccc actgccgtca cag c gct gtt act gag ctg gtg      196
                        Ala Val Thr Glu Leu Val
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tgt gat gtg acc ttc gtg ggg aca ctg agc cgc acg caa agc cgc ctc      244
Cys Asp Val Thr Phe Val Gly Thr Leu Ser Arg Thr Gln Ser Arg Leu
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Gln Arg Arg Val Phe Ala Ala Val Leu Arg Gln Ser Ile Thr Glu Leu
      60              65              70

cgc gcc gat ggg gcc ggtgaggggc accgggctgg gaggggacac ggggataagg      347
Arg Ala Asp Gly Ala
      75

gacaggggtg gcactgacgg cgctgtcacc cggca ggg gat gtg gcc atg cgg      400
                        Gly Asp Val Ala Met Arg
                        80

gtg acg cgg gat gcg gag gac gtg cgc gag gcg ctg ggc aag gcg ctg      448
Val Thr Arg Asp Ala Glu Asp Val Arg Glu Ala Leu Gly Lys Ala Leu
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atg gcc tgg ctg tcc ccg cgc atg gcg ctg ctc acc gcg ctg gcg ctg 544
 Met Ala Trp Leu Ser Pro Arg Met Ala Leu Leu Thr Ala Leu Ala Leu
 120 125 130

cca ctg ctg ctg gca ctg ccc agg gct gtg ggg cac ttc cgg cag 589
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 Ser Glu Val Ala Val Glu Thr Phe Gln Ala Met Ala Thr Val Arg Ser
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 Phe Ala Asn Glu Asp Gly Ala Ala His Tyr Arg Gln Arg Leu Gln
 180 185 190

cag agc cac cgc ctg gag aaa aag gat gtg gcc ctc tac act gcc tct 1202
 Gln Ser His Arg Leu Glu Lys Lys Asp Val Ala Leu Tyr Thr Ala Ser
 195 200 205

ctc tgg acc agt ggt gtatgggatg ggggtggctca atagcatggg gacgtgatgg 1257
 Leu Trp Thr Ser Gly
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 Gln Ile Gln Phe Thr Asp Val Leu Glu
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 Ser Tyr Leu Cys Arg Gln
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 His Thr Ser Ala Leu Asp Asn Glu Ser Gln Gln Gln
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 Pro Val Ser Leu Xaa Ala Gly Leu Gly Thr Thr Arg Glu His Arg Gly
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Val Leu Thr His Gly Thr Ala Val Val Ala Leu Leu Thr Trp Ser Leu		
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Leu Val Pro Thr Val Ala Thr Gly Ala Lys Glu Ala Lys Ala Trp Val		
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ccc ctg agg cgg ctg ctg gcc ctc gcc tgg ccc gag tgg ccg ttc ctt		437
Pro Leu Arg Arg Leu Leu Ala Leu Ala Trp Pro Glu Trp Pro Phe Leu		
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Gly Cys Ala Phe Leu Phe Leu Ala Leu Ala Ala Leu Gly Glu Thr Ser		
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Leu Pro Tyr Cys Thr Gly Arg Ala Val Asp Val Leu Arg Gln Gly Asp		
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Gly Leu Ala Ala Phe Thr Ala Ala Val Gly Leu Met Cys Leu Ala Ser		
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Ala Ser Ser		
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Ser Leu Phe Ala Gly		
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Cys Arg Gly Gly Leu Arg Phe Val Leu Arg Thr Arg Asp Gln Leu Phe		
115 120 125		
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Ser Ser Leu Val Tyr Arg Asp Leu Ala Phe Phe Gln Asn Thr Thr Ala		
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 Leu Thr Met Leu Ala Leu Leu Glu Val Pro Leu Ala Val Thr Ala Arg
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 Lys Val Tyr Asp Thr Arg His Gln
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 <213> Gallus sp.

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<213> Gallus sp.

<400> 26

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<211> 826

<212> DNA

<213> Gallus sp.

<400> 27

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<210> 28

<211> 964

<212> DNA

<213> Gallus sp.

<400> 28

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<210> 29

<211> 998

<212> DNA

<213> Gallus sp.

<400> 29

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<211> 1130

<212> DNA

<213> Gallus sp.

<400> 30

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<212> DNA

<213> Gallus sp.

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<210> 36
<211> 421
<212> DNA
<213> Gallus sp.

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<223> "n" represents a, t, c, g, other or unknown

<400> 36

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<210> 37

<211> 684

<212> DNA

<213> Gallus sp.

<400> 37

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<210> 38

<211> 1920

<212> DNA

<213> Gallus sp.

<400> 38

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 <211> 628
 <212> DNA
 <213> Gallus sp.

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 <211> 372
 <212> DNA
 <213> Gallus sp.

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 <212> DNA
 <213> Gallus sp.

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<210> 42
 <211> 6706
 <212> DNA
 <213> Gallus sp.

<400> 42
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 <211> 254
 <212> DNA
 <213> Gallus sp.

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ttaccctgca accc 254

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 <211> 4846
 <212> DNA
 <213> Gallus sp.

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<212> PRT

<213> Gallus sp.

10043160 . 011402

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Leu	Ser	Ser	Ala	Val	Thr	Glu	Leu	Val	Cys	Asp	Val	Thr	Phe	Val	Gly
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Thr	Leu	Ser	Arg	Thr	Gln	Ser	Arg	Leu	Gln	Arg	Arg	Val	Phe	Ala	Ala
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Val	Ala	Met	Arg	Val	Thr	Arg	Asp	Ala	Glu	Asp	Val	Arg	Glu	Ala	Leu
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Gly	Lys	Ala	Leu	Ser	Leu	Leu	Leu	Trp	Tyr	Leu	Ala	Arg	Gly	Leu	Cys
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Leu	Phe	Ala	Thr	Met	Ala	Trp	Leu	Ser	Pro	Arg	Met	Ala	Leu	Leu	Thr
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Ala	Leu	Ala	Leu	Pro	Leu	Leu	Leu	Ala	Leu	Pro	Arg	Ala	Val	Gly	His
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Phe	Arg	Gln	Ala	Leu	Ala	Pro	Gln	Met	Gln	Lys	Ala	Gln	Ala	Arg	Ala
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Ser	Glu	Val	Ala	Val	Glu	Thr	Phe	Gln	Ala	Met	Ala	Thr	Val	Arg	Ser
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Phe	Ala	Asn	Glu	Asp	Gly	Ala	Ala	Ala	His	Tyr	Arg	Gln	Arg	Leu	Gln
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Gln	Ser	His	Arg	Leu	Glu	Lys	Lys	Asp	Val	Ala	Leu	Tyr	Thr	Ala	Ser
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Leu	Val	Thr	Phe	Leu	Leu	Tyr	Gln	Ile	Gln	Phe	Thr	Asp	Val	Leu	Glu
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Val	Leu	Leu	Asp	Tyr	Phe	Pro	Thr	Leu	Met	Lys	Ala	Val	Gly	Ser	Ser
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Gly Thr Met Ala Pro Ala Asp Leu Gln Gly His Leu Gln Leu Glu Asp
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Val Trp Phe Ser Tyr Pro Gly Arg Gln Glu Thr Arg Pro Gln Gly Val
305 310 315 320

Ser Leu Glu Leu Arg Pro Gly Glu Val Leu Ala Leu Leu Gly Pro Pro
325 330 335

Gly Ala Gly Lys Ser Thr Leu Val Ala Leu Val Ser Arg Leu His Gln
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Pro Thr Ala Gly Arg Leu Leu Leu Asp Gly His Pro Leu Pro Ala Tyr
355 360 365

Gln His Ser Tyr Leu Cys Arg Gln Val Ala Val Val Pro Gln Glu Pro
370 375 380

Leu Leu Phe Ala Arg Ser Leu His Ala Asn Ile Ser Tyr Gly Leu Gly
385 390 395 400

Gly Cys Ser Arg Ala Gln Val Thr Ala Ala Ala Arg Arg Val Gly Ala
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His Asp Phe Ile Thr Arg Leu Pro Gln Gly Tyr Asp Thr Glu Val Gly
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Glu Leu Gly Gly Gln Leu Ser Gly Gly Gln Arg Gln Ala Val Ala Ile
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Ala Arg Ala Leu Leu Arg Asp Pro Arg Ile Leu Ile Leu Asp Glu His
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Thr Ser Ala Leu Asp Asn Glu Ser Gln Gln Gln Val Glu Gln Glu Ile
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Leu Ala Ala Lys Gly Ser Gly Arg Ala Val Leu Met Val Thr Gly Arg
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Ala Ala Leu Ala Ala Arg Ala Gln Arg Val Val Val Leu Glu Gly Gly
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Glu Gly
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<212> PRT

20043160-01403

<213> Gallus sp.

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Lys Glu Ala Lys Ala Trp Val Pro Leu Arg Arg Leu Leu Ala Leu Ala
 35 40 45

Trp Pro Glu Trp Pro Phe Leu Gly Cys Ala Phe Leu Phe Leu Ala Leu
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Ala Ala Leu Gly Glu Thr Ser Leu Pro Tyr Cys Thr Gly Arg Ala Val
 65 70 75 80

Asp Val Leu Arg Gln Gly Asp Gly Leu Ala Ala Phe Thr Ala Ala Val
 85 90 95

Gly Leu Met Cys Leu Ala Ser Ala Ser Ser Ser Leu Phe Ala Gly Cys
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Arg Gly Gly Leu Arg Phe Val Leu Arg Thr Arg Asp Gln Leu Phe Ser
 115 120 125

Ser Leu Val Tyr Arg Asp Leu Ala Phe Phe Gln Asn Thr Thr Ala Ala
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Glu Leu Ala Ser Arg Leu Thr Thr Asp Val Thr Leu Ala Ser Asn Val
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Leu Ala Leu Asn Ile Asn Val Met Leu Arg Asn Leu Gly Gln Val Leu
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Gly Leu Cys Ala Phe Met Leu Gly Leu Ser Pro Arg Leu Thr Met Leu
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Ala Leu Leu Glu Val Pro Leu Ala Val Thr Ala Arg Lys Val Tyr Asp
 195 200 205

Thr Arg His Gln Met Leu Gln Arg Ala Val Leu Asp Ala Ala Ala Asp
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Thr Gly Ala Ala Val Gln Glu Ser Ile Ser Ser Ile Glu Met Val Arg
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Val Phe Asn Gly Glu Glu Glu Glu Glu His Arg Tyr Ser Gln Val Leu
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Asp Arg Thr Leu Arg Leu Arg Asp Gln Arg Asp Thr Glu Arg Ala Ile
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10043460-01402

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 Ala Cys Lys Val Phe Asp Tyr Leu Asp Trp Glu Arg Pro Val Gly Ala
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 Gly Gly Thr Tyr Val Pro Thr Arg Leu Arg Gly His Ile Thr Phe His
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 Arg Val Ser Phe Ala Tyr Pro Thr Arg Pro Glu Arg Leu Val Leu Gln
 370 375 380
 Asp Val Thr Phe Glu Leu Arg Pro Ser Glu Val Thr Ala Leu Ala Gly
 385 390 395 400
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 405 410 415
 Tyr Glu Pro Gly Ala Gly Glu Val Leu Leu Asp Gly Val Pro Leu Arg
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 Asp Tyr Glu His Arg Tyr Leu His Arg Gln Val Ala Leu Val Gly Gln
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 Glu Pro Val Leu Phe Ser Gly Ser Ile Arg Asp Asn Ile Ala Tyr Gly
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 Met Glu Asp Cys Glu Glu Glu Glu Ile Ile Ala Ala Ala Arg Ala Ala
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 Gly Ala Leu Gly Phe Ile Ser Ala Leu Glu Gln Gly Phe Gly Thr Asp
 485 490 495
 Val Gly Glu Arg Gly Gly Gln Leu Ser Ala Gly Gln Lys Gln Arg Ile
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 Ala Ile Ala Arg Ala Leu Val Arg Arg Pro Thr Ile Leu Ile Leu Asp
 515 520 525
 Glu Ala Thr Ser Ala Leu Asp Gly Asp Ser Asp Ala Met Leu Gln Gln
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 545 550 555 560
 Pro Arg Met Leu Glu Lys Ala Asp Arg Ile Val Val Leu Glu His Gly
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Pro Tyr Ser Arg Leu Leu Gln His
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2017-09-09 10:00:00

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